

Title (en)

Process and installation for the treatment of waste water arising from the maintenance of livestock.

Title (de)

Verfahren und Anlage für die Behandlung von Abgängen aus der Tierhaltung.

Title (fr)

Procédé et installation pour le traitement des eaux usées en provenant du maintien d animaux.

Publication

**EP 0315713 B1 19931110 (DE)**

Application

**EP 87202199 A 19871111**

Priority

EP 87202199 A 19871111

Abstract (en)

[origin: EP0315713A1] In a process and installation for treating an aqueous waste stream, reverse osmosis (11) is used for separating off the water (17). Before this treatment, a flocculation treatment (8) can be carried out. Any gases in the waste stream can be removed by a degassing treatment (18) and, if the waste stream contains a manure/fertiliser mixture and manure, the sludge (9) released in the treatment and the released fertiliser concentrate (12) can be mixed (13). <IMAGE>

IPC 1-7

**B01D 61/00**; B01D 71/00; C02F 1/44

IPC 8 full level

**B01D 61/04** (2006.01); **C02F 1/44** (2006.01); **C02F 1/64** (2006.01); **C02F 9/00** (2006.01); **C05F 3/00** (2006.01); **C02F 1/20** (2006.01); **C02F 1/56** (2006.01); **C02F 11/12** (2006.01)

CPC (source: EP)

**B01D 61/025** (2013.01); **B01D 61/04** (2013.01); **C02F 9/00** (2013.01); **C05F 3/00** (2013.01); **B01D 2311/04** (2013.01); **C02F 1/20** (2013.01); **C02F 1/441** (2013.01); **C02F 1/56** (2013.01); **C02F 11/12** (2013.01); **C02F 11/13** (2018.12); **C02F 2103/20** (2013.01); **C02F 2201/008** (2013.01); **Y02A 40/20** (2017.12); **Y02E 50/30** (2013.01); **Y02P 20/145** (2015.11); **Y02W 30/40** (2015.05)

Citation (examination)

CHEMICAL ENGINEERING, Band 91, Nr. 12, 11.Juni 1984, New York, NY (US); L.E. APPLGATE:"Membrane separation processes", Seiten 69-71

Cited by

EP0507416A1; EP0426219A1; EP0890561A3; EP0396390A1; FR2744119A1; US6245121B1; WO9521140A1; WO9728101A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0315713 A1 19890517**; **EP 0315713 B1 19931110**; AT E97016 T1 19931115; DE 3788130 D1 19931216; DK 627588 A 19890512; DK 627588 D0 19881110

DOCDB simple family (application)

**EP 87202199 A 19871111**; AT 87202199 T 19871111; DE 3788130 T 19871111; DK 627588 A 19881110